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*Clinical Studies***The importance of immune system disorders related to the Glasgow Outcome Score in patients after severe brain injury**

Mrlian A, Smrcka M, Klabusay M 329

While GCS changes didn't relate to the intensity of immunity disorders, GOS value shows a strong relationship, especially to its cellular part. However, both GCS and GOS values showed an important correlation with the occurrence of infectious complications. Patients ending our treatment with bad outcome have more extracranial complications when compared with the patients that have ended our treatment successfully.

Prospective comparison of local, spinal, and general types of anaesthesia regarding oxidative stress following Lichtenstein hernia repair

Kulacoglu H, Ozdogan M, Gurer A, Eren Ersoy P, Onder Devay A, Duygulu Devay S, Gulbahar O, Gogkus S 335

As a tension-free repair technique, Lichtenstein operation has gained great popularity worldwide during the last decade. Expert centres do this technique using local anaesthesia in nearly 95 % of cases. However, general anaesthesia is used in many hospitals, while regional anaesthesia is preferred in some centres.

Premature thelarche in Macedonia: a three-year follow-up

Krstevska-Konstantinova M, Kocova M, Gucev Z, Sukarova-Angelovska E 340

The duration of premature thelarche varied in all patients. The auxologic and clinical characteristics of the girls were normal, except for increased bone age, and decreased height velocity. A change in the pubertal stage of breasts was noticed, but a progression toward idiopathic central precocious puberty was not registered.

Experiences with fenestration closure in patients after the Fontan operation

Bordacova L, Kaldararova M, Tittel P, Masura J 344

Decision and timing of fenestration closure are discussed. Despite of the hemodynamic advantages of fenestration, presence of right-to-left shunting is a risk factor of the systemic embolization and together with chronic cyanosis of the impairment of the neurological outcome. We review our experiences with transcatheter occlusion of fenestration or residual baffle leak using Amplatzer occluder.

*Therapy***Perception of drug risk in the database of Drug Information Centre in Bratislava**

Lassanova M, Rajec J, Lassan S, Tisonova J, Kunzo M, Wawruch M, Bozekova L, Kriska M, Kristova V 348

The types of inquiries and inquirers using the service are generally similar to those recorded at many others Druginfos within Europe and USA. The number of questions is lower than in other centres. Druginfo in Bratislava has a very important role in providing independent drug information.

*Topical Review***Short chain fatty acids and colonic health**

Hijova E, Chmelarova A 354

The topic of this review is the key end products of colonic fermentation, the SCFA butyric, acetic, and propionic acids. SCFA

are readily absorbed. Butyrate is the major energy source for colonocytes. Propionate is largely taken up by the liver. Acetate enters the peripheral circulation to be metabolized by peripheral tissues. Specific SCFA may reduce the risk of developing gastrointestinal disorders, cancer, and cardiovascular disease.

*Case Reports***Hemodynamic monitoring using PiCCO[®] system in a 10 months old infant suffering from serious burn injury**

Koppl J, Karovic D, Podhoransky B, Csomor D, Gaspares P, Sagat T, Trimmel H 359

The authors present a case report of a 10 months old patient with burn injuries involving 20.5 % body surface area, grades 2a and 2b. According to the continuous monitoring of hemodynamic parameters by PiCCO[®] (Pulsion Medical Systems, Munich, Germany), fluid therapy was successfully managed. Despite of an increasing EVLWI (extravascular lung water index) it was possible to preserve the child from lung edema and subsequent artificial lung ventilation by the early targeted therapeutic interventions.

Endobronchial actinomycosis presenting as haemoptysis

Toth S, Cavarga I, Boor A, Gmitter F, Legathova B, Kluchova Z, Dorkova Z, Somos A, Tkacova R 364

The authors report a rare case of a 68-year-old man with primary endobronchial actinomycosis who presented in the emergency respiratory ward with massive hemoptysis and dyspnea. An urgent fiberoptic bronchoscopy revealed hypertrophic mucosa and a narrowed lingular bronchus with a pale extruding exophyt.

Follicular dendritic cell sarcoma in the lymph nodes of the neck

Zivkovic V, Basic M, Gligorijevic J, Pavlovic V, Lazarevic V, Petrovic A 368

The authors present a case of FDCCS in a 52-year-old woman with left neck mass. Histologically, the tumor was composed of oval-to-spindle cells arranged in a fascicular and storiform pattern. Immunohistochemically, the tumor cells were positive for CD21, CD35, and to a lesser extent for EMA and vimentin.

*Debate and Education***Realisation of Bologna Declaration at the Slovak Medical Schools**

Bergendi L, Bernadic M, Kralova E, Kukurova E 375

Objectively validate and evaluate students' gained knowledge regarding their use in practice. (10) Solve transparent conditions of support and economic guarantee of higher education for universities, teachers and students by Ministry of Education of Slovak Republic.

Specialisation studies in medicine: formal or non-formal education?

Svec J, Stencil J 379

The intention of authors of this article was not to interpret or even to criticise the official documents of the European Commission. We just want to put a flash onto unsolved problems in higher education which seem to hamper the ongoing process of harmonisation of higher education internal structure within the European Union leading to the European Higher Education Area.

*Letter to the Editor***Apple, Nutrition and Health**

Levent Filik 382